

SUPPLEMENTAL DATA

Table 1. Reference mark elevations and locations for selected sites in Livingston County, Missouri
[ft, feet; NGVD 29, National Geodetic Vertical Datum of 1929]

Reference mark number	Reference mark elevation ^a (ft)	Description of location
RM 1–BFE 1	703.59	Cut square on top of northeast concrete wingwall of State Highway C bridge over Shoal Creek at Dawn.
RM 1–BFE 2	706.22	Cut square on top of northeast concrete wingwall of State Highway DD bridge over Shoal Creek Drainage Ditch near Dawn.
RM 2–BFE 2	706.08	Cut square on top of northwest concrete wingwall of State Highway DD bridge over Shoal Creek Drainage Ditch near Dawn.
RM 1–BFE 3	700.51	Cut square on top of northeast concrete wingwall of County Road 418 bridge over Shoal Creek Drainage Ditch near Dawn.
RM 2–BFE 3	699.46	Cut square on top of northwest concrete wingwall of County Road 418 bridge over Shoal Creek Drainage Ditch near Dawn.
RM 1–BFE 4	715.17	Cut square on top of northeast concrete curb of State Highway N bridge over Indian Branch at Sampsel.
RM 2–BFE 4	715.12	Cut square on top of northwest concrete curb of State Highway N bridge over Indian Branch at Sampsel.
RM 1–BFE 5	753.73	Cut square on top of east concrete headwall of County Road 515 culvert on tributary to Indian Branch near Sampsel.
RM 2–BFE 5	753.44	Cut square on west concrete headwall of County Road 515 culvert on tributary to Indian Branch near Sampsel.
RM 1–BFE 6	734.05	Cut square on top of northeast concrete wingwall of County Road 202 bridge over Honey Creek near Farmersville.
RM 2–BFE 6	734.71	Cut square on top of northwest concrete wingwall of County Road 202 bridge over Honey Creek near Farmersville.
RM 1–BFE 7	741.19	Cut square on top of northwest concrete handrail of U.S. Highway 65 bridge over No Creek near Farmersville.
RM 1–BFE 8	726.30	Cut square on top of northwest concrete handrail of U.S. Highway 65 bridge over Crooked Creek near Chillicothe.
RM 1–BFE 9	736.50	Cut square on top of north concrete headwall of State Highway 190 culvert on tributary to Coon Creek at Chillicothe.
RM 2–BFE 9	736.00	Cut square on top of south concrete headwall of State Highway 190 culvert on tributary to Coon Creek at Chillicothe.

Table 1. Reference mark elevations and locations for selected sites in Livingston County, Missouri—Continued

Reference mark number	Reference mark elevation ^a (ft)	Description of location
RM 1–BFE 10	738.15	Wooden stake along fence southeast of County Road 232 bridge over Blackwell Branch about 5 feet east of corner post and north of fence at Chillicothe.
RM 2–BFE 10	737.85	Wooden stake along fence southeast of County Road 232 bridge over Blackwell Branch about 130 feet east of corner post and north of fence at Chillicothe.
RM 1–BFE 11	706.96	Cut square on top of northeast concrete wingwall of U.S. Highway 36 bridge over Blackwell Branch at Chillicothe.
RM 1–BFE 12	729.74	Cut square on top of southeast concrete wingwall of State Highway K bridge over Medicine Creek near Chula.
RM 2–BFE 12	729.78	Cut square on top of northeast concrete curb of State Highway K bridge over Medicine Creek near Chula.
RM 1–BFE 13	739.91	Cut square on top of southeast concrete wingwall of State Highway KK bridge over Muddy Creek near Chula.
RM 1–BFE 14	738.43	Cut square on top of southwest concrete wingwall of State Highway KK over Little Muddy Creek near Chula.
RM 1–BFE 15	722.14	Cut square on top of southeast concrete curb of County Road 216 bridge over Muddy Creek near Chula.
RM 2–BFE 15	721.93	Cut square on top of northeast concrete curb of County Road 216 bridge over Muddy Creek near Chula.
RM 1–BFE 16	699.13	Cut square on top of northeast concrete handrail of U.S. Highway 36 bridge over Medicine Creek near Wheeling.
RM 2–BFE 16	699.14	Cut square on top of northwest concrete handrail of U.S. Highway 36 bridge over Medicine Creek near Wheeling.
RM 1–BFE 17	689.96	Cut square on top of southwest concrete wingwall of County Road 310 bridge over Campbell Creek near Bedford.
RM 2–BFE 17	689.96	Cut square on top of southeast concrete wingwall of County Road 310 bridge over Campbell Creek near Bedford.
RM 1–BFE 18	664.96	Cut square on top of northeast concrete wingwall of County Road 387 culvert on Towstring Creek near Hale.
RM 2–BFE 18	665.12	Cut square on top of southeast concrete wingwall of County Road 387 culvert on Towstring Creek near Hale.

^a Above NGVD 29.

Table 2. Summary of base (100-year) flood discharges and elevations for selected sites in Livingston County, Missouri[mi², square mile; ft/mi, foot per mile; ft³/s, cubic foot per second; ft, foot; NGVD 29, National Geodetic Vertical Datum of 1929]

Map number (fig. 1)	Stream and location	Drainage area (A) (mi ²)	Main-channel slope (S) (ft/mi)	Base (100-year) flood discharge ^a (ft ³ /s)	Base (100-year) flood elevation ^b (ft)
BFE 1	Shoal Creek at State Highway C at Dawn	566	3.76	37,100	701.0
BFE 2	Shoal Creek Drainage Ditch at State Highway DD near Dawn	566	3.76	37,100	701.0
BFE 3	Shoal Creek Drainage Ditch at County Road 418 near Dawn	589	3.60	37,500	696.5
BFE 4	Indian Branch at State Highway N at Sampsel	22.6	13.1	6,990	711.7
BFE 5	Tributary to Indian Branch at County Road 515 near Sampsel	2.50	63.1	2,860	755.4
BFE 6	Honey Creek at County Road 202 near Farmersville	106	6.99	15,400	730.8
BFE 7	No Creek at U.S. Highway 65 near Farmersville	67.0	6.82	11,300	731.3 ^c
BFE 8	Crooked Creek at U.S. Highway 65 near Chillicothe	13.6	16.6	5,450	716.4 ^c
BFE 9	Tributary to Coon Creek at State Highway 190 at Chillicothe	2.20	32.1	2,080	734.9
BFE 10	Blackwell Branch at County Road 232 at Chillicothe	3.43	28.0	2,660	738.9
BFE 11	Blackwell Branch at U.S. Highway 36 at Chillicothe	7.37	18.4	3,790	701.7 ^c
BFE 12	Medicine Creek at State Highway K near Chula	395	4.28	30,700	721.7 ^c
BFE 13	Muddy Creek at State Highway KK near Chula	44.3	8.58	9,360	733.0 ^c
BFE 14	Little Muddy Creek at State Highway KK near Chula	19.3	12.3	6,170	734.6 ^c
BFE 15	Muddy Creek at County Road 216 near Chula	72.2	7.98	12,600	717.9
BFE 16	Medicine Creek at U.S. Highway 36 near Wheeling	520	4.38	37,000	686.1
BFE 17	Campbell Creek at County Road 310 near Bedford	4.19	39.5	3,410	691.8
BFE 18	Towstring Creek at County Road 387 near Hale	11.4	25.2	5,600	667.4

^a Alexander and Wilson (1995), $Q_{100}=376(a)^{0.652}(S)^{0.346}$, Region 1.^b Above NGVD29.^c R. J. Huizinga, U.S. Geological Survey, written commun., 2002.